

SEQUENCE LISTING

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Hershfield, Michael S.
Kelly, Susan J.
Saifer, Mark G.P.
Sherman, Merry R.

<120> PEG-URATE OXIDASE CONJUGATES AND USE
THEREOF

<130> MVIEW.1A2DV1

<150> 09/370,084

<151> 1999-08-06

<150> 09/130,392

<151> 1998-08-06

<150> 60/219,318

<151> 1999-08-05

<160> 2

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 304

<212> PRT

<213> Sus scrofa

<400> 1

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| Met | Ala | His | Tyr | Arg | Asn | Asp | Tyr | Lys | Lys | Asn | Asp | Glu | Val | Glu | Phe |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |
| Val | Arg | Thr | Gly | Tyr | Gly | Lys | Asp | Met | Ile | Lys | Val | Leu | His | Ile | Gln |
| | | | 20 | | | | | 25 | | | | | 30 | | |
| Arg | Asp | Gly | Lys | Tyr | His | Ser | Ile | Lys | Glu | Val | Ala | Thr | Ser | Val | Gln |
| | | 35 | | | | | 40 | | | | | 45 | | | |
| Leu | Thr | Leu | Ser | Ser | Lys | Lys | Asp | Tyr | Leu | His | Gly | Asp | Asn | Ser | Asp |
| | 50 | | | | | 55 | | | | | 60 | | | | |
| Val | Ile | Pro | Thr | Asp | Thr | Ile | Lys | Asn | Thr | Val | Asn | Val | Leu | Ala | Lys |
| 65 | | | | | 70 | | | | 75 | | | | | | 80 |
| Phe | Lys | Gly | Ile | Lys | Ser | Ile | Glu | Thr | Phe | Ala | Val | Thr | Ile | Cys | Glu |
| | | | | 85 | | | | | 90 | | | | | 95 | |
| His | Phe | Leu | Ser | Ser | Phe | Lys | His | Val | Ile | Arg | Ala | Gln | Val | Tyr | Val |
| | | | 100 | | | | | 105 | | | | | 110 | | |
| Glu | Glu | Val | Pro | Trp | Lys | Arg | Phe | Glu | Lys | Asn | Gly | Val | Lys | His | Val |
| | | 115 | | | | | 120 | | | | | 125 | | | |
| His | Ala | Phe | Ile | Tyr | Thr | Pro | Thr | Gly | Thr | His | Phe | Cys | Glu | Val | Glu |
| | 130 | | | | | 135 | | | | | 140 | | | | |
| Gln | Ile | Arg | Asn | Gly | Pro | Pro | Val | Ile | His | Ser | Gly | Ile | Lys | Asp | Leu |
| 145 | | | | | 150 | | | | | 155 | | | | | 160 |
| Lys | Val | Leu | Lys | Thr | Gln | Ser | Gly | Phe | Glu | Gly | Phe | Ile | Lys | Asp | |
| | | | | 165 | | | | 170 | | | | | | 175 | |

Gln Phe Thr Thr Leu Pro Glu Val Lys Asp Arg Cys Phe Ala Thr Gln
 180 185 190
 Val Tyr Cys Lys Trp Arg Tyr His Gln Gly Arg Asp Val Asp Phe Glu
 195 200 205
 Ala Thr Trp Asp Thr Val Arg Ser Ile Val Leu Gln Lys Phe Ala Gly
 210 215 220
 Pro Tyr Asp Lys Gly Glu Tyr Ser Pro Ser Val Gln Lys Thr Leu Tyr
 225 230 235 240
 Asp Ile Gln Val Leu Thr Leu Gly Gln Val Pro Glu Ile Glu Asp Met
 245 250 255
 Glu Ile Ser Leu Pro Asn Ile His Tyr Leu Asn Ile Asp Met Ser Lys
 260 265 270
 Met Gly Leu Ile Asn Lys Glu Glu Val Leu Leu Pro Leu Asp Asn Pro
 275 280 285
 Tyr Gly Arg Ile Thr Gly Thr Val Lys Arg Lys Leu Thr Ser Arg Leu
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<210> 2

<211> 304

<212> PRT

<213> Papio hamadryas

<400> 2

Met Ala Asp Tyr His Asn Asn Tyr Lys Lys Asn Asp Glu Leu Glu Phe
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 Val Arg Thr Gly Tyr Gly Lys Asp Met Val Lys Val Leu His Ile Gln
 20 25 30
 Arg Asp Gly Lys Tyr His Ser Ile Lys Glu Val Ala Thr Ser Val Gln
 35 40 45
 Leu Thr Leu Ser Ser Lys Lys Asp Tyr Leu His Gly Asp Asn Ser Asp
 50 55 60
 Ile Ile Pro Thr Asp Thr Ile Lys Asn Thr Val His Val Leu Ala Lys
 65 70 75 80
 Phe Lys Gly Ile Lys Ser Ile Glu Ala Phe Gly Val Asn Ile Cys Glu
 85 90 95
 Tyr Phe Leu Ser Ser Phe Asn His Val Ile Arg Ala Gln Val Tyr Val
 100 105 110
 Glu Glu Ile Pro Trp Lys Arg Leu Glu Lys Asn Gly Val Lys His Val
 115 120 125
 His Ala Phe Ile His Thr Pro Thr Gly Thr His Phe Cys Glu Val Glu
 130 135 140
 Gln Leu Arg Ser Gly Pro Pro Val Ile His Ser Gly Ile Lys Asp Leu
 145 150 155 160
 Lys Val Leu Lys Thr Thr Gln Ser Gly Phe Glu Gly Phe Ile Lys Asp
 165 170 175
 Gln Phe Thr Thr Lys Pro Glu Val Lys Asp Arg Cys Phe Ala Thr Gln
 180 185 190
 Val Tyr Cys Lys Trp Arg Tyr His Gln Cys Arg Asp Val Asp Phe Glu
 195 200 205
 Ala Thr Trp Gly Thr Ile Arg Asp Leu Val Leu Glu Lys Phe Ala Gly
 210 215 220
 Pro Tyr Asp Lys Gly Glu Tyr Ser Pro Ser Val Gln Lys Thr Leu Tyr
 225 230 235 240
 Asp Ile Gln Val Leu Ser Leu Ser Arg Val Pro Glu Ile Glu Asp Met

| | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | | | | 245 | | | | | 250 | | | | 255 | | | |
| Glu | Ile | Ser | Leu | Pro | Asn | Ile | His | Tyr | Phe | Asn | Ile | Asp | Met | Ser | Lys | |
| | | | 260 | | | | | | 265 | | | | 270 | | | |
| Met | Gly | Leu | Ile | Asn | Lys | Glu | Glu | Val | Leu | Leu | Pro | Leu | Asp | Asn | Pro | |
| | | 275 | | | | | 280 | | | | | 285 | | | | |
| Tyr | Gly | Lys | Ile | Thr | Gly | Thr | Val | Lys | Arg | Lys | Leu | Ser | Ser | Arg | Leu | |
| 290 | | | | | | 295 | | | | | 300 | | | | | |

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